

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently amended) A process for producing a decaffeinated coffee plant by genetic recombination comprising: .

a step for preparing an antisense sequence or an RNAi sequence of a gene coding for an enzyme related to the caffeine biosynthetic pathway and constructing an expression vector for transformation;

a step for introducing the obtained expression vector into *Agrobacterium*;

a step for infecting a cell division-activated tissue piece of a coffee plant or a callus or an adventitious embryo induced from a tissue piece of a coffee plant with the *Agrobacterium* to transform the tissue piece, the callus or the adventitious embryo; and

a step for obtaining a transgenic coffee plant from a transformed tissue piece, a transformed callus or a transformed adventitious embryo.

2. (Original) A process for producing a decaffeinated coffee plant as claimed in claim 2, wherein the enzyme related to the caffeine biosynthetic pathway is xanthosine methyltransferase, a nucleoside deribose emzyme, a 7-methylxanthine methyltransferase or a 3,7-dimethylxanthine methyltransferase.

3. (Currently amended) A transformed coffee plant produced by the process as claimed in claim 1-~~or~~ 2.

Please add the following new claims.

4. (New) A transformed coffee plant produced by the process as claimed in claim 2.